## INTERNATIONALSEARCHREPORT

International application No.

		PCT/J.	PCT/JP2004/018955		
A. CLA	ASSIFICATIONOFSUBJECTMATTER				
Int.Cl7	C09D175/04,C09D7/12				
According	to International Patent Classification (IPC) or to both	national classification and IPC			
	LDS SEARCHED				
	locumentation searched (classification system followed)	by classification symbols)			
micor.					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Japanese Utility Model Gazette 1922-1996, Japanese Publication of Unexamined Utility Model Applications 1971-2005, Japanese Registered Utility Model Gazette 1994-2005, Japanese Gazette Containing the Utility Model 1996-2005					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)					
C. DOCU	MENTS CONSIDERED TO BE RELEVANT		-		
Category*	Citation of document, with indication, where	appropriate, of the relevant passages	Relevant to claim No.		
X	JP 59-98125 A(CELANESE CORP.) 1984.06.06, whole document, especially claims		1-7,9,11,13-		
A	& US 4423201 A & EP 107969 A2		8,10,12		
X	JP 06-80738 A(NIPPON SEISHI K.K.)1994.03.22,		1-6,10,13-17		
A	claims, [0019] (No Family)	·	7-9,11,12		
X	JP 10-508632 A(HERCULES INC.)1998.08.25,		1-6,10,13-17		
A	claims & WO 96/14357 A1 &	EP 789725 A1	7-9,11,12		
X	JP 10-251556 A (SANYO CHEMI		1-6,10,13-17		
A	LTD.)1998.09.22, claims,[0	011] (No Family)	7-9,11,12		
x	JP 2001-507391 A(SHELL INT	1-6,13-17			
A	MAATSCHAPPIJ BV) 2001.06.05, claims & EP		7-12		
	951494 A1 & US 6160040 A				
			·		
Further	documents are listed in the continuation of Box C.	See patent family annex.			
* Special categories of sited documents:					
'A" docume consider	- 18101 document published shel the international ining date of				
E" earlier application or patent but published on or after the inter- "X" document of particular relevance; the claimed invention cannot national filing date					
'L" document which may throw doubts on priority claim(s) or which inventive step when the document is taken alone is cited to establish the publication date of another citation or other					
special reason (as specified)  O" document referring to an oral disclosure, use, exhibition or other combined with one or more other such documents, such					
means  combination being obvious to a person skilled in the art  P" document published prior to the international filing date but later "&" document member of the same patent family					
than the priority date claimed  Date of the actual completion of the international search  Date of mailing of the international search					
	08.02.2005		3. 2005		
Name and mailing address of the ISA/JP  Authorized officer			4V 9051		
Japan Patent Office		KIYOKO TAMURA	4 A 302T		

Telephone No. +81-3-3581-1101 Ext. 3483

3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.		
X A	JP 2001-515118 A (EASTMAN CHEMICAL COMPANY) 2001.09.18, claims & WO 99/0910 EP 1003819 A1 & US 2003/105197 A1	1-6,10,13-17 7-9,11,12			
X	JP 2002-521545 A(Rhodia CHIMIE)2002.07. claims & WO 2000/6641 Al & FR 2781806 A 1021483 Al & US 6391952 Bl	1-6,10,13-17 7-9,11,12			
X	DE 10313317 Al(TOYOTA JIDOSHA K.K.)2003.11.20, whole document & JP 2004-2706 A & US 2003/220444 Al		1-17		
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## INTERNATIONAL SEARCH REPORT

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The surfactants used in claims 1-7, 9, 11 and 13-17 render the definition of the subject matters of said claims unclear for the following reason:

The surfactants expressed with only the functional groups or small portions of them. Therefore, the person skilled in the art would not envisage the whole surfactants as chemical compounds, even with consideration of common general knowledge. The surfactants such as chemical compounds should be specified with chemical formulaes.

The surfactants used in claims 1-7, 9, 11 and 13-17 would comprise a variety of chemical compounds, however only limited examples are disclosed in the specification and the skilled person cannot make from the description of the specification even with consideration of common general knowledge, it is considered that those claims and description of specification do not meet the requirements of PCT Articles 5 and 6.

This report was made on the basis of the disclosed examples in the specification. The subject-matter of claims 8, 10 and 12 are searched completely.